

AMENDMENTS TO THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract by rewriting same to read as follows.

An automatic gain adjustment device and method capable of accurately adjusting a gain with a simple structure. In an automatic gain adjustment method of a feedback control system ~~which that~~ uses a phase difference between an output signal obtained from a controlled object and an input signal while controlling the object based on the input signal, a phase shift amount is set ~~so as~~ to cause a frequency of the input signal to coincide with the crossover frequency at which the open loop gain forming the feedback control system becomes 0 dB, and a phase of the input signal is shifted based on the phase shift amount.